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DIALOG(R)File 351:Derwent WPI


008735741
WPI Acc No: 1991-239757/ **199133**
XRAM Acc No: C91-104187

**Use of L-arginine - to treat high vascular resistance disorders e.g. hypertension and bronchial asthma**

Patent Assignee: LEVERE R D (LEVE-I)
Inventor: ABRAHAM N G; LEVERE R D; MARTASEK P; SCHWARTZMA M L; SCHWARTZMAN M L
Number of Countries: 015 Number of Patents: 004
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| EP 441119 | A | 19910814 | EP 91100168 | A | 19910107 | 199133 | B |
| CA 2033766 | A | 19910710 | | | | 199138 | |
| US 5217997 | A | 19930608 | US 90462638 | A | 19900109 | 199324 | |
| | | | US 90513895 | A | 19900424 | | |
| | | | US 92873892 | A | 19920424 | | |
| EP 441119 | A3 | 19921014 | EP 91100168 | A | 19910107 | 199340 | |

Priority Applications (No Type Date): US 90513895 A 19900424; US 90462638 A 19900109; US 92873892 A 19920424
Cited Patents: NoSR.Pub; 9.Jnl.Ref; FR 2507892; WO 8500517
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| EP 441119 | A | | | | |
| Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE | | | | | |
| US 5217997 | A | | 11 | A61K-031/195 | CIP of application US 90462638<br>Cont of application US 90513895 |

Abstract (Basic): EP 441119 A

For the treatment of hypertension, primary or secondary vasospasm, angina pectoris, cerebral ischaemia or preeclampsia (all claimed). Also claimed is the use of L-arginine to treat or prevent bronchial asthma. The compound is metabolised by endothelial cells to form nitric oxide, a vasodilator that works by increasing formation of c-GMP following direct interaction with the heme component of soluble guanylate cyclase (Ignarro et al, FASEB J., 3, 31-36 (1989)). Dose is oral or parenteral (e.g. i.p.), and is 1-1500 (10-400) mg/day. (14pp Dwg.No.0/3)

Title Terms: ARGININE; TREAT; HIGH; VASCULAR; RESISTANCE; DISORDER; HYPERTENSIVE; BRONCHIAL; ASTHMA
Derwent Class: B05
International Patent Class (Main): A61K-031/195
International Patent Class (Additional): A61K-031/19
File Segment: CPI

A52, C8 A18

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